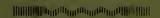


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BOROUGH OF BOOTLE.



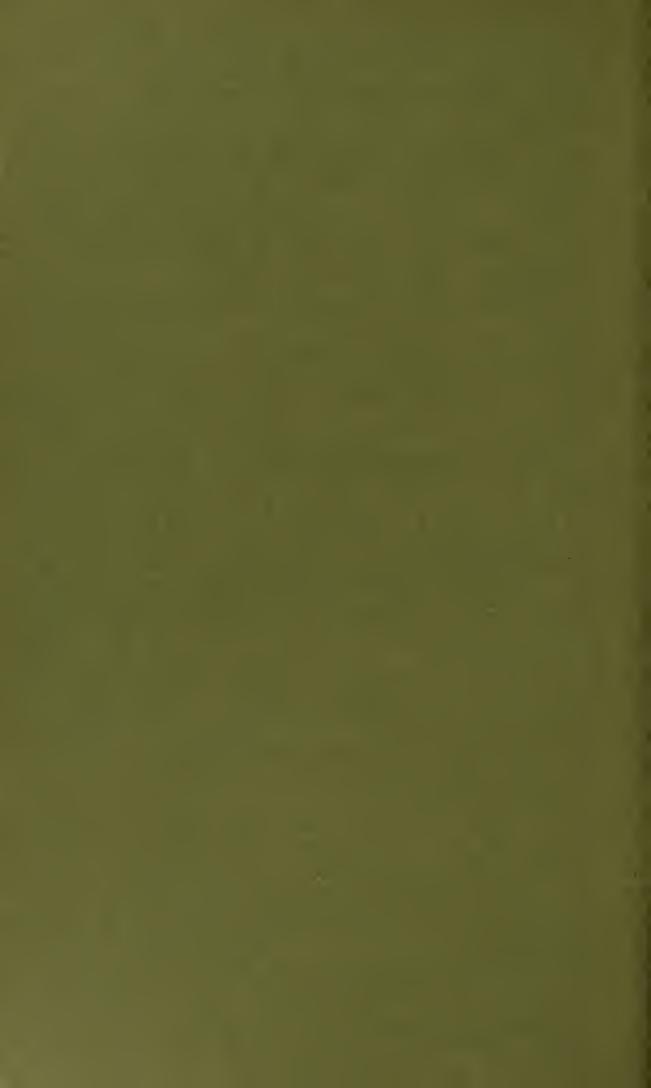
Annual Report

OF THE

SCHOOL MEDICAL OFFICER.

1916.

BOOTLB.
THE GREEVANS & SONS, 68 HERTFORD ROAD & 356 STANLEY ROAD, LIVERPOOL.





BOROUGH OF BOOTLE.

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1917



COUNTY BOROUGH OF BOOTLE.

THE SCHOOL MEDICAL OFFICER'S REPORT FOR YEAR ENDED 31st DECEMBER, 1916.

22nd March, 1917.

To the Chairman and Members of the Education Authority.

LADIES AND GENTLEMEN,

I have the honour to present herewith the Ninth Annual Report on the Inspection of Schools and School Children. As a result of War Conditions this Report is briefer even than its immediate predecessor.

Dr. Taylor, the Medical Inspector of Scholars, was in France throughout the whole of 1916, and the more important parts of his work in Bootle were performed by Dr. Kate Cowe and by myself.

The routine inspections of entrants and leavers have been continued, but the intermediate age group could not be examined.

The outstanding feature of the year has been the concentration of all the School Clinics in the premises originally built for the accommodation of the administrative staff of the defunct School Board, and until lately used as a School of Art. The premises are now known as the "School Medical Offices." The accommodation provided is most suitable for its new purposes, and a long vista of beneficent work in the rearing of healthy citizens has been opened. I have not the slightest hesitation in saying that money expended for the purpose of discovering and remedying defects and incipient disease in children, is an investment by the community, in which large dividends, in the form of increased man and woman power can be guaranteed.

I wish to take this opportunity to thank you and all those who have contributed to the success of the year's work.

I am, Ladies and Gentlemen,

Yours obediently,

School Medical Officer_

allen Daley

COUNTY BOROUGH OF BOOTLE.

Number of Children-

	Number	Accommodation	Mean No. on Rolls.	Average Attendance
Council Schools	7	7,728	7,215	6,442
Church of England Schools	3	2,407	2,455	2,142
Roman Catholie Schools	3	2,776	3,277	2,712
	13	12,911	12,947	11,296
	=			

The average attendance of children under five years of age in the Denominational Schools for the year ended 31st January, 1916, was 127. No child under four years of age is now admitted to any School, and no child under five years of age is, as a rule, admitted to Council Schools.

Cost.—I am indebted to the Borough Treasurer for the following:—

The rateable value of the Borough in 1915-1916 was £478,668.

The gross cost of Medical Inspection for the twelve months ended March 31st, 1916, was £914 4s. 6d.; the Government grant was £439 5s. 7d., hence the net cost was £474 18s. 11d.

The cost under this head per child on the school rolls was 1s. 7.6d. gross and 10.2d. net, and the cost as a decimal part of a penny rate was 471d. gross and 226d. net.

It is anticipated that a grant of £457 2s. 3d. will be received in respect of the above mentioned expenditure of £914 4s. 6d.

Groups of Children Examined at Routine Inspections:—All the leavers and entrants have been examined, including entrants in two schools left over from 1915.

TABLE 1.—Number of Children Inspected, 1st January, 1916, to 31st December, 1916.

A"	Code	"
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B-Groups other than "CODE"

•				Enti	rants		•	Leavers			Grand		Special	Re-exam- inations	
A	\ge	3	4	5	6	Other ages	Total	12	13	14	Total	Total		Spe	Re-e; inat
_			_	523	299	106	928	589	112	7	708	1636	Boys	544	1769
G	irls	_	-	547	290	94	- 931	510	133	7	650	1581	Girls	წ65	1748
\mathbf{T}	otals		-	1070	589	200	1859	1099	245	14	1358	3217	Totals	1209	3517

In 1916, no children in an intermediate age group were examined; leavers formed 12.02% and entrants 16.4% of the average attendance; the total number inspected at routire examinations was 28.4% of the average attendance compared with 26.5 in 1915, and 30.1 in 1914.

Children under Five Years.—In schools other than the Council, children are admitted before reaching the age of five years, and in these cases a superficial examination or "march past" was carried out.

There were fifty-four boys examined, of whom, twenty-five had obvious defects. Forty seven girls were inspected, and in sixteen, defects were apparent.

The children with defects were placed upon the following-up registers, and they will be visited in order to ascertain whether treatment of the defects is being carried out.

On attaining the age of five years, these children will be again examined as routine cases.

Special Examinations:—The number of children who were presented for special examination was 1,209, compared with 1,200 in 1915, and 1,073 in 1914. One hundred and thirty four were presented by the teachers at school during the course of the routine inspections or re-inspections, and 1,075 were seen at the Town Hall and School Medical Offices, where the Medical Inspector's office, nursing, and clerical staff were transferred in August last.

The following table shows the number of children who were referred for examination at the Town Hall and School Medical Offices by:—

School Attendance O	fficers	 • •	 	229 or 21·3%
Teachers		 	 	325 or $30^{\circ}2\%$
School Nurses		 • •	 	300 or 27.9%
Parents and others		 	 	221 or 20.5%

The Inspection Clinic is now held at the School Medical Offices from 3.30 p.m. until 5 p.m. cach Thursday, and from 10 a.m. until noon each Saturday. The number of new cases seen in 1916 was 1,075, compared with 1,109 in 1915, 900 in 1914, and 546 in 1913.

Re-examinations:—3,517 re-examinations were made, compared with 2,754 in 1915; 2,940 were performed at the schools and 577 at the Town Hall.

Other Examinations:—Six children who had been committed to Industrial Schools were examined, also 12 bursars, 4 student teachers and 50 scholarship candidates.

Attendance of Parents:—The number of parents who attended the inspections has decreased from 59.6% in 1915 to 53.4%; this is probably owing to the greater number who now work outside their own homes.

Objections to Examination:—In 6 instances the parents sent written objections to the examination of their children.

- •Summary of Defects:—A general summary may now be given of the numbers examined, with their results:—The children are grouped as:—
- 1. Entrants.—That is, those, usually below the age of seven years who are examined soon after their first entrance to school.
 - 2. Leavers.—That is, those aged twelve years or more.
- 3. Special Cases.—That is, those (not usually included in the above groups) who are presented for examination because of a more or less obvious defect.

TABLE II.—RETURN SHOWING

- L		77	RO	UTINE		S.		WING
Condition.		191	ntrants	S		Leav	ers.	
	Boys	Girls	Total	%	Boys	Girls	Total	
Total Inspected	928	931	1859		708	650	1358	
Clothing { Satisfactory Unsatisfactory	919	926	1845 14	$\begin{array}{c} -99 \cdot 25 \\ \hline 0 \cdot 75 \end{array}$	691 17	648	1339 19	98 · 60 1 · 40
Footgear {Satisfactory Unsatisfactory	826 100	839 92	1667 192	$89.67 \\ 10.33$	537 171	524 126	1061 297	78·13 21·87
$ \begin{array}{c} \textbf{Cleanliness} \\ \textbf{of} \\ \textbf{Head} \end{array} \begin{cases} \begin{array}{c} \text{Cloan } i.e., \text{ no} \\ \text{nits or pediculi} \\ \text{Nits only } \dots \\ \text{Pediculi} \end{array} \end{aligned} $	916 6 6	723 201 7	1639 207 13	88·17 11·13 0·70	675 29 4	442 202 6	1117 231 10	82·25 17·01 0·74
Cleanliness Clean of Dirty Pediculi pres.	847 81 69	849 82 73	1696 163 142	$ \begin{array}{r} 91 \cdot 23 \\ 8 \ 77 \\ 7 \cdot 63 \end{array} $	677 31 23	622 28 27	1299 59 50	95.66 4.34 3.68
Nutrition Excellent Normal Below normal Bad	60 752 116	38 758 135 —	98 1510 251 —	$\begin{array}{c c} 5 \cdot 27 \\ 81 \cdot 23 \\ 13 \cdot 50 \\\end{array}$		35 527 88 —	65 1094 199 —	4·79 80·56 14·65
Nose And Throat No defect Mouth-breathers Tonsils: sl.enl'ged Tonsils: much Adenoids: slight Adenoids: marked Other defect	$\begin{bmatrix} 687 \\ 208 \\ 95 \\ 107 \\ 59 \\ 21 \\ 40 \end{bmatrix}$	752 149 84 136 35 11 0	1439 357 179 243 94 32 70	77·41 19·20 9·63 13·07 5·56 1·72 3·77	98 65 41 23	536 46 82 57 18 2 7	1082 130 180 122 59 25 22	79.68 9.57 13.25 8.98 4.34 1.84 1.62
External Eye Discase No disease Blepharitis Conjunctivitis Corneal opacities Other disease	30 7	872 44 8 5 5	1756 74 15 12 9	94·46 3·98 0·80 0·65 0·48	22 17 2	608 22 17 4	1277 44 34 6	$94 \cdot 04$ $3 \cdot 24$ $2 \cdot 50$ $0 \cdot 44$
Cobstruction right Obstruction right No disease Obstruction right left Other disease	5	$ \begin{array}{ c c c c } \hline 899 \\ 1 \\ \hline 17 \\ 16 \\ 1 \end{array} $	1816 7 5 27 20 1	$\begin{array}{c c} 97.69 \\ 0.38 \\ 0.27 \\ 1.45 \\ 1.08 \\ 0.05 \end{array}$	$\frac{2}{1}$	640 2 2 6 5	1331 4 3 16 17	$ \begin{array}{c} 98 \cdot 01 \\ 0 \cdot 29 \\ 0 \cdot 22 \\ 1 \cdot 18 \\ 1 \cdot 26 \end{array} $
Teeth Sound		178 243 510	367 464 1028	$ \begin{array}{c c} 19 \cdot 74 \\ 24 \cdot 96 \\ 55 \cdot 30 \end{array} $	135 364 209	127 337 186	262 701 395	19·29 51·62- 29·09
Heart and Circulation (Other defect)	828 16 6 78	$ \begin{array}{c c} 839 \\ 7 \\ 10 \\ 76 \\ \hline \end{array} $	1667 23 16 154	\$9.67 1.24 0.86 8.28	7 5	682 11 15 72	1336 18 20 117	98·38 1·32 1·47 8·622
Lungs No disease Chronic Brone, & Brone. Catarrh Tuberculosis ,, suspected Other disease	$\begin{array}{c c} 799 \\ 112 \\ 2 \\ 17 \\ 18 \end{array}$	799 117 4 11 13	$\begin{bmatrix} 1598 \\ 229 \\ 6 \\ 28 \\ 31 \end{bmatrix}$	$\begin{array}{c} 85 \cdot 96 \\ 12 \cdot 32 \\ 0 \cdot 32 \\ 1 \cdot 50 \\ 1 \cdot 67 \end{array}$	49 1 14	598 46 3 3 9	95 4 17 24	$91 \cdot 38$ $7 \cdot 00$ $0 \cdot 29$ $1 \cdot 25$ $1 \cdot 77$

CONDITION OF THE CHILDREN INSPECTED. SPECIAL CASES.

Totals Boys Girls Total % Girls Total Boys Condition. Total Inspected..... Satisfactory Clothing Unsatisfactory $98 \cdot 97$ 1.0384.80 Satisfactory \ Footgear 15.20 Unsatisfactory ... Clean i.e., no nits Cleanliness 85-67 or pediculi of Nits only 13.61 Head Pediculi 0.71Clean Cleanliness $93 \cdot 10$ 6.90Dirty of $5 \cdot 97$ Pediculi present Body Excellent 5.07 Normal 80.94 Nutrition Below normal ... 13.99Bad 78.36 No defect 15.14 Mouth breathers ... 11:16 Tonsils:slightlyenlarged Nose Tonsils: much ,, ...
Adenoids: slight 11:34 and $4 \cdot 75$ Throat Adenoids: marked 1.772.86 Other defect No disease $94 \cdot 28$ 3.67 Blepharitis External 1.52Conjunctivitis ... Eye 0.56Corneal Opacities Disease Other Disease ... 0.28No disease $97 \cdot 82$ Obstruction right 0.340.25left Ear 1:34 Otorrhœa right Disease 1.15 left 0.03 Other disease 19.55Sound Teeth $30 \cdot 21$ Less than 4 decayed 4 or moro decayed ... $44 \cdot 24$ Sepsis No disease $93 \cdot 34$ 1.27 Organic disease Heart 1.12 Functional,, and 8.42 Anæmia Circulation Other Defect ... $88 \cdot 25$ No disease Chronic Brone. & 10.07 Brone. Catarrh Lungs 0.31 -3 Tuberculosis 1.40 ,, suspected 1.70Othor disease

Condition 10		En	trants		Leavers					
	Boys	Girls	Total	%	Boys	Girls	Total	%		
Total Inspected	928	931	1859		708	650	1358			
Nervous System No diseaso Epilepsy (Major or Minor) Chorea Other disease	$\frac{1}{29}$	903	$\frac{1}{57}$	96.88 0.05 3.07	689 1 1	632 2 1 15	1321 3 2 32	$97 \cdot 28$ $0 \cdot 22$ $0 \cdot 15$ $2 \cdot 36$		
No disease	$ \begin{array}{c c} $	$ \begin{array}{c c} $	$ \begin{array}{c c} 37 \\ \hline 1728 \\ \hline 2 \\ 5 \\ \hline 113 \\ \hline \hline 14 \\ \end{array} $	$ 92 \cdot 95 \\ 0 \cdot 10 \\ 0 \cdot 27 \\ 6 \cdot 08 \\ \hline 0 \cdot 75 $	$ \begin{array}{c} 671 \\ - \\ 40 \\ - \\ 6 \end{array} $	$\begin{array}{c c} 623 \\ \hline \\ 20 \\ 1 \\ 7 \end{array}$	1294 - 60 1 13	95·29 — 4·42 0·07 0·96		
$\begin{array}{l} \textbf{Rickets} \left\{ \begin{matrix} \text{No disease} \\ \text{Disease present} \end{matrix} \right. \end{array}$	897 31	911 20	1808 51	$97 \cdot 25 \\ 2 \cdot 74$	684 24	641	1325 33	97.57 20.43		
Deformities \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	899	913	1812	$97 \cdot 47$ $2 \cdot 53$	676 32	641	1317	96·54 3·46		
Tuberculosis No discase Glandular Bones and Joints	922 5	$926 \\ 2 \\ 2$	1848	90 · 40 0 · 38 0 · 16	699	647	$\begin{bmatrix} 1346 \\ 3 \end{bmatrix}$	$99 \cdot 12 \\ 0 \cdot 22 \\ 0 \cdot 37$		
Speech { Not defective Defective Articulation Stammering Other defects	888 30 6 4	1 906 16 2 7	1 1794 46 8 11	0.05 96.50 2.47 0.43 0.59	694	643 2 2 3	1337 4 11 6	0.30 98.45 0.29 0.81 0.44		
Mental Condition Oull or B'kward Mentally Defect (all grades)	907	922	1829 30 —	98·39 1·61 —		587 63 —	1266 91 1	$93 \cdot 23$ $6 \cdot 70$ $0 \cdot 07$		
6/6 each eye Normal Vision)* Less than 6/6 but	22	18	40	44.94	390	355	745	54.85		
not less than 6/9 in one or both eyes Less than 6/9 in one	6	15	21	23.60	135	108	243	17.90		
or both eyes (i.e., 6/12 or less and requiring treatment)	11	17	28	31.46	183	187	370	27 · 25		
Squint	53	55	108	5.81	41	21	62	4 · 57		
Hearing (Whisper) 20 feet oach car (normal hearing) 20 feet R	910 912 13 11 1 1 878	916 921 917 3 7 — 890 41	1825 1831 1829 16 18 1 1768 91	98:76 99:05 98:97 0:87 0:97 0:05 0:05 4:90	694 696 7 7 6 5 693	643 646 643 3 4 1 3 641	1333 1340 1339 10 11 7 8 1334 24	98·16 98·18 98·60 0·73 0·81 0·51 0·59 98·23 1·77		

^{*} These figures relate to those whose vision was examined.

Totals

SPECIAL CASES.

	20)	L CADE	.	Condition
Boys	Girls	Total	0//0	Boys	Girls	Total	
1636	1581	3217		544	665	1209	Total Inspected
1587	1535	3122	97.05	_		-	No disease Nervous
2	$\frac{2}{1}$	4 2	$0.12 \\ 0.06$	$\begin{bmatrix} 1\\2\\4 \end{bmatrix}$	5 7	6 9	Minor)
46	43	89	2.77	4	6	10	Other disease
$\begin{array}{c} 1521 \\ 2 \end{array}$	1501	3022	$93 \cdot 93 \\ 0 \cdot 06$	21	-	$\frac{}{28}$	No disease
5	_	5	0.16	38	28	66	Head Skin
107	66	173	5.38	80.	102	182	Impetigo
13	1 14	$\begin{bmatrix} 1\\27 \end{bmatrix}$	$\begin{array}{c} 0.03 \\ 0.83 \end{array}$	$\begin{array}{c c} 10 \\ 28 \end{array}$	$\frac{22}{37}$	$\begin{array}{c c} 32 \\ 65 \end{array}$	Other diseaso
1581	1552	3123	$97 \cdot 39$				No disease
55	29	84	2.61	1	1	2	No disease
1575	1554	3129	97 · 26	_			No deformity
							Deformity Deformities
61	27	88	2 · 73	2	2	4	present)
$\frac{1621}{7}$	1572	3194 10	$99.28 \\ 0.31$	<u> </u>			No disease
				4		4	Glandular Tuberculosis Bones and Non-
4 4	4	. 8 5	$\begin{array}{c} 0\cdot 25 \\ 0\cdot 16 \end{array}$	$\frac{2}{1}$	4 3	6 4	Other forms
				•	3		, and the second
1582	1549	3131 50	97:33	_	_	_	Not defective
32	18		1 55	4	1	5	articulation Speech
15 7	$\frac{4}{10}$	19 17	$\begin{array}{c} 0.05 \\ 0.20 \end{array}$	$\frac{2}{2}$	$\frac{1}{2}$	3 4	Stammering
1586	1509	3095	96 - 20				Normal Mental
49	72	121	3.76	6	_	6	Dull or Backward Condition
1		1	0.03	5	1	6	Mentally Defective (all grades)
412	373	1:185	36.83				6/6 each cyc (Normal Vision)*
141	123	264	8 · 20			į	Less than 6/6 but not less than 6/9 in one or toth eyes Less t. an 6/9 in one or to
194	204	398	12:37				Less t. an 6/9 in one or
101	201	,,,,	12 37				both eyes (i.e.), 6/12 or less and requiring treat-
							(ment
94	76	170	5.28	20	14	34	
				1.			
1599	1559	3158	98.16		1	1	Hearing (Whisper)
1604	1567	3171	91.57	1	$egin{array}{ccc} & rac{1}{2} & \ & 1 & \end{array}$	3	20 feet each er (normall.earing) 20 feet R
1608	1560	$\begin{bmatrix} 3168 \\ 26 \end{bmatrix}$	98 · 47 0 · 80	5		1	L
18	11	29	0.80	5	$\frac{4}{6}$	$\frac{9}{11}$	10 feet R
7 6	1 3	8	0.25	_	1	1	5 feet R
1571	1531	3102	$\begin{array}{c c} 0 \cdot 28 \\ 96 \cdot 42 \end{array}$	497	631.	1 1128	Not present \ Other Disease
65	50	115	3 · 57	39	42	81	Procent or defect

The number with any physical defect reaches the large percentage of 87.5. The more important percentages of physical defects are 14% ill-nourished; 15.14% mouth-breathers; 11.3% tonsils much enlarged; 6.5% adenoids; 44.2% four or more carious teeth; 1.27% organic heart disease; 8.4% anaemia; 1.7% tuberculosis or suspected tuberculosis; 12.4% defective vision; and 5.3% squint. It is to be noted that many children suffer from more than one defect.

The percentage where there was no adverse mark on the inspection schedule, either for physical defect or for uncleanliness or insufficiency of clothing or footwear, was only 9.5. The percentage placed upon the following-up register indicates the number of children for whom treatment in some form should be obtained, or who should be kept under observation. The names of 67.4% of the infants, 56.9% of the senior boys and 66.9% of the senior girls were placed upon the register, the total percentage being 64.9, compared with 61.5 in 1915.

Amongst those referred for special examination were 92 children in whom no physical defect, or a trivial one only, could be found. This number is accounted for by the large number of children who were sent by the School Attendance Officers.

Vaccination had not been performed in 198 entrants, or 10.7%, and in 70 leavers, or 5.2%. The increasing tendency during recent years to neglect this means of securing protection from smallpox is shewn by these figures.

Exclusion of Sick Children:—2,517 children were excluded from school during the year in accordance with the provision of Article 53 (b) of the Code; 123 children were absent at the beginning of the year, who had been excluded before the end of 1915. The total number of school days lost by the excluded children who returned to school during some part of 1916 was 38,371, an average of 15.5 days for each child. Tuberculosis accounted for 3,793 days; measles for 12,139 days; scarlet fever for 4,614; and ringworm for 3,106 days. At the end of 1916, 93 excluded children were absent.

Mal-Nutrition:—The nutrition of 5% of the children was recorded as excellent, 80.9% were regarded as normal, and 14% as ill-nourished. This is a considerable increase in the number recorded as ill-nourished, but

as there is no definite standard for the diagnosis of this condition, the increase is almost certainly due to the present examiner taking a higher standard than her predecessors, though some children are ill-nourished now because their mothers are out at work all day. A large number of children have a light lunch at present, receiving their principal meal at night. Several children were found who took sandwiches with them and remained at school all day. It has been noted that many of the ill-nourished came from good homes where the income cannot be small. Cnly a small number of ill-nourished children receive free breakfasts at school. Many children appear to be fed at home on unsuitable food, despite the directions on leaflets which are given.

Cleanliness and Condition of the Skin:—An analysis of the records of the routine inspections shows that under the heading "cleanliness" or otherwise of the body, 93.1% of the children were recorded as "clean" and 6.9% were "dirty"; pediculi were present in 192 or 5.97%. On examining the heads, nits were seen on 6 infant boys, or 0.6% of those examined, and on 201 infant girls, or 21.6%; of the leavers 4.1% of the boys had nits in their hair, and 43% of the girls. In 1914, before the routine inspection of heads by the School Nurses was commenced, 35.5% of infant girls and 60.9% of "leaving" girls had nits in their hair.

The girls in every department were examined at intervals. The standard taken this year was higher than that of last year. Of 5,846 children examined during the latter half of the year, 1,040 or 18% were, at the first examination of the series, found to have numerous nits in their hair. Last year the percentage was 20. On the fourth examination of the series 334 or 6% of the total still remained dirty; last year 389 remained dirty out of 5,531 examined. Visits are, as far as possible, paid to the homes of this residue, but apparently nothing, save compulsory power to cleanse the heads by cutting the hair if necessary, will cause any marked improvement.

Children Act, Section 122:—Under this section, six children only were dealt with. Four were reported from St. John's School, one from Gray Street Council School, and one from Hawthorne Road Council School. It will be evident that from some schools with a large number of dirty children, no notices were received under this section, which, owing to the cumbrous

procedure, is becoming almost a dead letter. The statutory notice requiring the child to be cleansed within twenty-four hours was served in each of the six cases. All the children were satisfactorily cleansed by their parents as the result of a single notice.

Footwear:—84.8% of the children inspected at the routine examinations were satisfactory footwear, including 15.2% who were wearing clogs. The footwear of 13.2% was in need of repair, and 1.9% of the children were barefooted. More than three times the number who were clogs in 1915 were them in 1916. During the year, the School Canteen Committee distributed 1,330 pairs of clogs mainly through Clog Chibs which have been formed at many of the schools. By means of the clubs children are enabled to purchase clogs at 2/3 per pair, which is considerably below cost price. The children readily subscribe for the clogs, every facility being given to receive odd pence brought at any time.

Clothing:—At the routine inspections 99% of the children were adequately elad. In only 33 cases was the clothing reported to be unsatisfactory. This is an indication of the "War time" prosperity in material things, of the greater number of the people in the town.

Skin Diseases:—201 eases of skin diseases, excluding ringworm, were noted at the routine examinations: these include 173 of impetigo, 7 urticaria, 3 seborrhoea and 8 of eezema.

Ringworm:—Five eases of ringworm of the sealp, and 2 of the body were seen at the routine inspections; and 94, namely, 28 of the body, and 66 of the sealp, at special examinations.

Seventeen sealp eases and one of the body were still excluded from school at the end of the year. These compare with 12 sealp eases and 2 of the body left over from 1915. Thirty specimens of hair were examined microscopically; in 11 the disease was still present. It is very desirable that arrangements should be made for the treatment of ringworm of the sealp by the modern X-ray method in order that the education of these children may not suffer so scriously as at present, when, though the best ointment treatment is applied, they are absent from school often for 6 months, sometimes for over a year. It has been found that the most satisfactory ointment treatment is the daily application of an ointment

containing 50% of common salt; this causes considerable inflammation, and when the seab which forms has fallen off, the patch underneath is generally quite free from diseased hairs. If X-ray treatment were provided the average length of absence from school would not exceed six weeks.

External Eye Diseases:—The number of children found to be suffering from external eye diseases at the routine examinations was 194; there were 122 amongst the special cases. The routine cases included 118 of blepharitis, 49 of conjunctivitis, and 18 of corneal opacities. Fifty-seven cases of conjunctivitis were seen as special cases.

The number of children seen at the Ophthalmic Clinic in the course of the year was 749 (including 172 under treatment at the end of 1915). Of the 577 new cases, 312 were referred there from the routine inspections. The total number of visits to the Clinic was 2,452.

The following table gives the number of cases of cyc disease amongst the 749 children who attended.

OPHTHALMIC CLINIC.

Eye Disease		:	Discharged after Under appropriate treatment Treatment Dec. 31st, Σ					
Blepharitis	• •		• 4	19	• •	9		
Chronic Conjunctivitis				9	• •	1		
Follicular ,,				3		2		
Catarrhal ,,	• •	• •		19				
Phlyetenular ,,			• •	3	• •	4		
Nebulae					• •	4		
Marginal Keratitis		• •		11	• •	6		
Corneal Ulceration		•••		5		10		
Other Eye Diseases	• •			13	• •	7		
				82		43		

Vision:—The percentage of leaving boys whose vision was normal was 55·1; the percentage of girls 54·6; 26% of the leaving boys and 29% of the leaving girls had defective vision of such a degree that further examination, and, if necessary, the use of suitable spectacles were recommended.

One hundred and sixteen of the routine cases were wearing spectacles at the time of examination.

The following table gives the nature of the defects found in the children who attended the Ophthalmic Clinic:—

OPHTHALMIC CLINIC.

	Discharged appropriate tre	atment,	Under treatment, ec 31st, 1916.
Eye Disease (see page 15)	82	• •	43
Emmetropia (Normal Vision)	27		_
Simple Hypermetropia (Long Sight)	136		33
" Hypermetropic Astigmatism	85	• •	30
Compound ,, ,,	112		28
Mixed Astigmatism	37		13
Myopia (Short Sight)	29		8
Advanced Myopia	5		_
Simple Myopic Astigmatism	2		1
Compound ,, ,,	27		5
Odd Eyes	6	• •	2
Under Obscrvation	1	• •	6
Retinoscopy not taken	—		2
Totals	549		171

During the year 24 children suffering from erfors of refraction discontinued attendance at the Clinic before treatment was completed; in 4, their parents had left the district, 3 had reached the age of 14 years, and 17 refused treatment. Five others who did not live in the district attended once, and were then referred to the School Medical Officer of the area in which they resided.

The parents of three children with defective vision have refused during the year to allow their children to have glasses prescribed, or to have any further examination.

Squint and Muscular Defects:—170 cases of squint were reported at routine examinations, or 5.3% of those inspected — There were 34 amongst the special cases.

One hundred and nincty cases of internal, 5 of external, and one of alternating squint were treated at the ophthalmic clinic and are included in the table on page 16; for 150 of these, glasses have been obtained.

Seriously Defective Vision:—In 202 of the children who attended the Clipic, the error of refraction was over 5 dioptres (a very serious amount) In 161 of these the appropriate glasses had been obtained before the end of the year. In many of these cases normal vision cannot be attained even when spectacles are worn.

A series of leaflets on the care of defective eyes and of spectacles has been prepared by the Ophtha'mic Surgeon, and saves much tedious repetition at the Clinic. In the cases of 12 children whose vision is so weak that they are unable to do "near" work without damage to their eyes, a special leaflet of instruction has been sent to the teacher as well as given to the parent, but all these children would be better in a special class.

Spectacles:—A spectacle maker attends the Clinic, and the children are measured as soon as the prescription is given. In cases where it is ascertained that the parents cannot afford to buy a pair, the Authority pays for them. During the calendar year, 164 pairs of new spectacles were provided, and three pairs were repaired. The cost was £25 17s.11d., of which £4 7s. 6d. was recovered from the parents.

TEETH.

At the routine inspection 44.4% of the boys and 44% of the girls had four or more unsound teeth; these results being, even graver than those of last year. The School Dentist continues to perform very valuable work, but as he devotes only one half-day each week to work for the Authority, his activities have had to be limited to the 6-7 age group, and during the year he has been able to attend to less than one half the children in this group. All children in the selected age group were inspected in the following schools,-Linacre, St. John's, St. Mary's and Bedford Road. Of the 445 children inspected only 7, or 1.6%, had a perfect set of teeth; but in another 55, treatment was not considered necessary. Over 40% of the children had more than eight temporary teeth decayed. The total number of appointments made was 452 (including 66 for 38 ehildren inspected in 1915) and 357 of these were kept. The tables give a record of the work done.

DENTAL CLINIC. Inspection work done during 1916.

			Temporary Te		Permanent Teeth				
	examined	Sound	Savable	Unsavabl	e	Sound	Savable	Unsavable	
Boys .	. 206	2,123	967 .	. 752		552	209 .	. 8	
Girls .			1,016 .						
		-					—	—	
Totals .	. 445	4,350	1,983 .	. 1,586		1.417	514 .	. 25	

Temporary Teeth.

		No.	Boys Perc∈ntage	e•	No.	Girls Percentag	e•		Lotal Percentage
All sound	• • •	5	2.4		5	2.1		10	2 · 2
1 to 4 decayed		46	$22 \cdot 3$		52	$21 \cdot 8$		98	22
5 to 8 ,,		66	32^{\cdot}		87	: 6:4		153	$34 \cdot 4$
More than 8 ,,		89	43 · 4		95	39.7		184	41.3

Permanent Teeth.

		Boys	1		Girls !		T'	otal ·
	No.	Percentage		No.	Percentage		No.	Percentage
No. permanent Teeth	51	24 · 7		40	16.7	٠.	91	20.4
All sound	65	31.5		73	$30 \cdot 5$		138	31
1 decayed	34	16.5		37	15.5		71	15.9
2 ,	20	$9 \cdot 7$		29	12.1		49	11.0
More than 2 decayed	36	17.4		60	25.1	• •	96	21.5

TREATMENT.

EXTRACTIONS.

FILLINGS.

Number o Children treated.	f Simpte.	Under local Anasthetics.	Under Gas.	Totals.	Temporary Permanent.
Boys 79 (21) Girls 121 (17)		4 (4) 1 (8)		254 (4) 354 (8)	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Totals 200 (38)		5 (12)		608 (12)	

The figures in brackets relate to children inspected in 1915, but treated in 1916. All the teeth extracted, except two, were temporary.

Of the 383 who required dental treatment, the parents of 10 promised to take the children for treatment to a Private Dentist. Those of 26 refused to allow any treatment, and those of 347 accepted appointments to attend the Clinic: 136 of these did not keep any appointment, and 37 discontinued treatment before it was completed. In 158 the mouths were made perfectly healthy, as were those of 21 of the 38 cases held over from 1915: 17 of the 1915 cases discontinued treatment before it was completed. The treatment of the remaining 16 cases inspected in 1916 will be completed early in 1917: the treatment of 5 was commenced in December, 1916.

Nose: —64 defects were reported at routine examinations, 61 being eases of nasal discharge.

Adenoids, Mouth-Breathers, Enlarged Tonsils:—At the routine inspections 6.5% had symptoms of adenoids, and in 1.8% these were well-marked; 15.1% were mouth-breathers. Most of the 6.5% suffering from adenoids are also included in the 15.1% who are mouth-breathers. 22.5% had enlarged tonsils. In 11.3% of the total examined, the enlargement was more than trifling.

In addition to the above, 94 cases of enlarged tonsils, 16 of acute tonsillitis, 99 of adenoids, and 92 mouth-breathers were seen at the special examinations.

The Throat Surgeon has, since August, operated one half day each month in a room in the School Medical Offices. Until then the arrangements described in my report for 1915 were in operation. During the year,

there have been 11 operating days, and 115 children have had the growths removed; in 71 cases adenoids and enlarged tonsils were both present, in 38 adenoids only, and in 6 enlarged tonsils only. In 5 instances the children failed to keep the appointments made for them. The children are visited at home after the operation, and they attend the Inspection Clinic in 2 or 3 weeks. It was unnecessary to detain any child overnight. The benefits of the operation in most cases have been very marked.

Ear Diseases and Hearing:—At the routine inspections 9 boys and 4 girls were found to have a discharge from each ear; 18 boys and 36 girls suffered from unilateral ear discharge. Amongst the special eases were 8 of discharge from each ear, and 41 of unilateral discharge. In most of the eases, adenoids were present. Throughout the year, the forced whisper test was used as a test of hearing. In 97.7% of the boys, and 98.6% of the girls, the hearing was normal, and a whisper could be heard at a distance of 20 feet with each ear.

Mental Condition:—Of the 1,358 leavers examined at routine inspections, the mental condition of 92 or 6.8% was adversely reported upon.

Amongst the 1,859 entrants, 30 or 1.6% were reported to be mentally dull. Amongst the special cases examined for the first time as such during 1916, 6 were regarded as dull or backward, and 6 as requiring further examination. These 6 were specially examined with a view to determining their mental capacity; one was an idiot, one a moral imbecile, and another an epileptic, who was slightly feeble-minded; three were merely dull or backward. The idiot is still at home, he is under school age; the moral imbecile is now in a poor-law institution. The epileptic, now aged 14 years, has left school.

Heart and Circulation:—At the routine inspections 41 eases (or 1.27%) of organic heart disease were noted. Amongst the special eases were 6 of organic disease.

Two hundred and seventy one eases of anæmia, or 8.42%, were noted at the routine examinations. This defect was also found in 48 special eases.

Lungs:—324 (or 10.07%) of the children inspected at routine examinations were found to be suffering from bronchial catarrh or bronchitis. Mention is made of Phthisis under the heading "Tuberculosis."

Nervous Diseases:—95 defects were discovered at routine inspections, including 85 noted as "nervous" or "nervous tendency," 4 cases of epilepsy, 2 of chorea, and 4 of infantile paralysis. At the special examinations 25 cases were seen, including 6 of epilepsy, 9 of chorea, and one of infantile paralysis. The teachers report an increase of "nervousness" amongst scholars particularly, they say, amongst those who attend the picturedromes most regularly.

Tuberculosis, Pulmonary:—At the routine examinations, 10 children were found to be suffering from active pulmonary tuberculosis, while 45 were provisionally classed as "doubtful."

Of the special cases, 7 were found to be suffering from what was regarded as active tuberculosis of the lungs; there were 34 cases of doubtful tuberculosis.

Osseous:—At the rontine inspections, 8 cases of osseous tuberculosis, viz., 4 of the hip joint, three of the knee, and one of a metatarsal bone were found. Amongst the special cases were 6 of osseous tuberculosis: in 3 the hip joint was involved; there was one case each of tuberculous elbow, ankle and the joint of a toe.

Glandular:—Ten eases of tuberculosis of the glands of the neck were found at the routine inspections, and four amongst the special eases.

Other Forms:—Four routine cases were suffering from tuberculous peritonitis, and one from lupus; four special cases of other forms of tuberculosis were seen; three were suffering from tuberculous peritonitis, and the fourth from what was thought to be tuberculous larynx.

In the course of the year 190 cases of tuberculosis in children of school age came under observation at the Tuberculosis Dispensary. This is 1.3% of the children of school age in the town. One hundred and four of the cases, or 0.62% of the school population, were of pulmonary disease, and 87, or 0.57% of non-pulmonary. In each form, the prevalence amongst girls was greater than amongst boys.

Twenty-five of the pulmonary eases were treated in institutions during some part of the year. 72 received dispensary treatment only, and 7 treatment from private practitioners. The non-fatal pulmonary eases comprise 64 of early disease, 25 intermediate or chronie, and 7 advanced.

Of the 87 non-pulmonary eases, 23 received institutional treatment during the year, 60 dispensary only, and 4 were treated by private practitioners.

In addition to the above-mentioned definite and notified eases of tuberculosis, there are 45 pulmonary and 14 non-pulmonary eases of suspected tuberculosis which are under observation by the Tuberculosis Officer.

Fifty-nine definite eases of pulmonary disease and 48 of non-pulmonary, together with 36 of the suspected pulmonary and all of the suspected non-pulmonary eases, were in attendance at an ordinary school in December, 1916.

Deformities:—There were 88 children suffering from deformities; in 84 the deformity was due to rickets; 1 was congenital in origin, and 3 were the result of infantile paralysis.

Other Defects or Diseases:—At the routine inspections, 115 children suffering from "other" defects were reported. Under this heading are included hernia, enuresis, tumours, abseesses, worms, goitre, etc. At the special examinations, there were 81 cases of other diseases, including 3 of mumps; 10 chickenpox; 1 influenza; 4 whooping cough; 2 measles; and 8 rheumatism.

Deaths:—The deaths of 58 children of school age occurred during the year; included are 8 the result of phthisis; 4 tuberenlovs meningitis; 4 other forms of tuberculosis; 7 pneumonia; 2 organic heart disease; 1 searlet fever; 4 diphtheria; 2 cerebro-spinal fever; 3 nephritis; 6 accidents and 2 rheumatic fever.

REVIEW OF ACTION TAKEN TO PREVENT THE SPREAD OF INFECTIOUS DISEASES.

The methods detailed in previous reports are still in use.

Scarlet Fever:—The number of eases notified amongst children of school age was 105. There was no excessive prevalence in any of the schools; those with the largest numbers of eases were Salisbury Road Council School 13, St. James' 13, Gray Street Council School 11, and St. Mary's 11.

Diphtheria:—During the year 40 cases of diphtheria occurred in children of school age.

Measles:—During the year 700 cases of measles occurring in school children were brought to the notice of the School Medical Officer, compared with only 147 in 1915 and 427 in 1914.

It was necessary to close four Infants' Departments, viz:—Gray Street Council School, from March 22nd until April 10th; Salisbury Road Council School, from April 14th until April 19th (the Easter holidays were from 19th April until 1st May); Linacre Council School, from May 23rd until June 13th; and Bedford Road Council School, from May 23rd until June 13th.

The number of children absent because of measles the day before the closure at the Gray Street School was 49, the percentage attendance being 80. There were 48 children absent from Salisbury Road, 50 from Bedford Road, and 44 from the Linacre School, the percentage attendances being 75, 64 and 76. As the question of the advisability of school closure, to prevent the spread of measles, is not yet satisfactorily answered, the following figures are of interest:—

Infants' Department of		No. of cases infected 14 days prior to closure.	No. of cases infected during closure.	No. of cases infected 14 days after re-opening.		
Gray S.reet Council School	• •	28	27	8		
Salisbury Road Council School		2	4	5		
Linacre Council School		14	8			
Bedford Road Council School		7	3			

The date of infection was calculated as 18 days (14 for ineubation and 4 for invasion) prior to the day upon which the rash appeared. Hence those in the first column *developed* the disease during the school closure. Those in the second, some during the closure, others after the reopening; those in the third after the reopening. The figures show that at Gray

Street School 28 children who but for the closure would have developed the disease while attending school, developed it at home. During the closure 27 children were infected with measles, and the question at issue is whether more than 27 would have been infected if the School had not been closed. Taking all the schools together 51 cases were infected before the closures, and developed the disease at home. While the schools were closed, 42 children were infected in their own homes. These are the minimum figures, but it is probable that most of the cases were notified either by parents or by teachers after the reopening. From these facts, closure does not appear to have any appreciable effect in stopping the spread of the disease, but from the point of view of an Education Authority, it has the good effect that the schools cannot be blamed for the infection of the 42 children who took it during the closures, as they certainly would have been had the schools remained opened.

It was, at first, endeavoured to prevent the spread by excluding class contacts who were reported not to have had measles previously, but owing to the number of eases in which children had "measles" two or three times, this procedure was not continued. Now that notification of measles is compulsory, and when one considers the great dislocation of school work when 20 to 30% of the children are away, and the anxiety of parents lest their children should contract the disease in school, the conclusion that I have come to is that closure probably is "worth while": further than that I am not prepared to go.

Whooping Cough:—During 1916, 101 cases in school children were reported, and these, together with 48 contacts, were excluded. In 1915, there were 272 cases and 90 contacts.

Mumps:—During the year, 26 cases of mumps were reported, compared with 35 in 1915 and 298 in 1914.

Chickenpox:—There occurred amongst school children 75 cases of chickenpox, and these, together with 28 contacts, were excluded, compared with 89 cases, and 19 contacts in 1915.

The following table gives the schools from which eases, and contacts of eases of measles and other infectious diseases, were excluded.

	Measles			Chie	ckenj	oo x	Whooping Cough			Mumps	
	Cases	Con-	Total	Cases	Con-	Total	Cases	Con- tacts	Total	Cases	
Salisbury Road		53	153	7	4	11	26	13	39	6	
Hawthorne Road	41	26	67	13	1	14	6	3	9	$\frac{2}{2}$	
Linacre Lane	99	25	115	10	4	14	4	1	5	2	
Bedford Road	59	23	82	8	3	11	13	10	23	$\frac{1}{5}$	
Gray Street		-63	188	6	5	11	6	l	7		
St. James	63	54	117	11	7	18	10	4	14	1	
St. Mary's	40	52	72		-				-	2	
Christ Church	28	15	43	4		4	10	4	14	l	
St. John's	39	25	64	4	1	5	2	l	3		
St. Alexander's	7	4	11		1	1	11	8	19		
St. Winefride's	18	18	36	2		2	4	2	6	l —	
St. James' Select	8	8	16	_							
Orrell	42	31	73	3	1	4	7		7	6	
Balliol	22	4	26	7	i	8	2	1	3	_	
Various	18	3	21		_					l	
	11/										
Totals	700	384	1084	75	28	103	101	48	149	26	
No. of visits & re-visits 1,140					110				199		

The total number of visits paid to all cases of minor infectious diseases was 1,475, compared with 790 in 1915.

FOLLOWING-UP.

Re-examinations took place in 34 departments; the number re-examined in school and at the Town Hall was 3,517.

Work of School Nurses:—During the year, 4,885 visits were paid by the two nurses to the homes of children whose names appear on the following-up register, and 400 visits were made by voluntary workers. Considerable difficulty has been found, owing to their numcrous other and more important duties, in providing a School Nurse to be present with the doctor throughout the Rontine Inspections; the appointment of an assistant who will act as amanuensis and take part in weighing and measuring the children, and in testing their vision and hearing, is contemplated, and will free the Nurses for other work.

National Society for the Prevention of Cruelty to Children:—Thirteen eases were referred to the Society's District Inspector, and in every ease he rendered valuable help. In many other eases, the threat of reporting the ease to the Society was sufficient to eause the parents to give proper attention to a child.

TABLE IV.—TREATMENT OF DEFECTS OF CHILDREN DURING 1916.

	No. of defects for which Treatment was considered necessary.			vhich ble.	ated	Results of Treatment.				Percentages of defects.		
Defect ,	Previous Years.	New.	Total	No. of defects for which no report is available.	No. of defects treated	Remedied	Improved	Unchanged	No. of defects not treated.	Treated.	No Report	Not treated.
Clething Footwear Cleanliness of Head Cleanliness of Body Nutrition Nose and Throat External Eye Disease Ear Disease Teeth Heart and Circulation Lungs Nervous System Skin Rickets Deformities. Tuberculosis— non-pulmonary Speech. Mental Condition Vision and Squint Hearing Miscellaneous Totals	31 28 250 57 693 837 111 108 92 223 336 55 60 26 17 27 59 43 147 109 116		246		240 148 367 348 868 64 724 27 17 41 68 51 636 133 237	9 84 10 70 212 66 38 200 37 438 10 580 5 3 47 7 1 472 64	86 150 246 32 111 6 7 20 24 6 136 49 74	161 184 222 333 16 7 17 37 44 28 20 97		97·5 95·5 68·8 93·5 96·4 100·0 100·0 100·0 95·3 95·3 100·0 89·4 97·1 95·1	2·9 2·9 3·9 2·4 4·5 0·7 6·4 3·5 4·6 4·6 4·6 1·3 2·9 4·8	
Percentages						33 · 3		_	_		2 · 7	6 · 6

The total number of defects for which treatment was required was 7,149 compared with 5,169 in 1915, 4,145 in 1914, 4,038 in 1913, and 3,254 in 1912. The percentage cured or remedied was 33.3, compared with 33.4 in 1915, 38.9 in 1914, 32.7 in 1913, and 29.8 in 1912, while the percentage

of the total who had secured some treatment was 90.6, compared with 93.1, 83.3, 85.8 and 83.7 respectively. The decrease in the percentage treated is due to the inclusion in the table, for the first time, of a considerable number of cases of defective teeth: it was found very difficult to convince many parents of the benefits which would accrue as the result of a visit to the dentist.

The 246 untreated cases in the group "Nose and Throat" consist almost entirely of mouth-breathers where breathing exercises are not being performed as recommended. Of the 65 cases of defective vision, the 35 who are still at school will be treated at the Ophthalmic Clinic early in 1917.

The 196 defects under the heading "no report" occurred in children who were absent at the time of re-examination, and the school nurse could not get into touch with them because of their change of address or other reason; it was later discovered that 96 of them had left school. The figures in the table include children who have left school during the year; in that period 856 cards relating to defects in children who had left school were removed. Seven hundred and twenty two defects had been treated. 33 were cured or remedied, 472 improved, and 217 unchanged.

The table does not contain particulars of 951 defects in children examined in the last few months of the year, and who were not re-examined until 1917. Seventy children who live in Bootle and attend a Liverpool School were referred by the School Medical Officer of Liverpool, and followed up by your School Nurses. Of children who attend Bootle Schools and reside outside the district, 25 who required treatment were referred to the School Medical Officer of Liverpool, and 4 to the School Medical Officer of Lancashire.

Minor Ailments Clinic:—The table gives particulars of the cases dealt with during 1916.

Defect.	Number of children	Number of attendances			Cured.		proved and attending
Ringworm of body	33		260	• •	32		1
Ringworm of scalp	49		1,715	• •	28		21
Impetigo Capitis .	. 16		90	• •	15		1
Impetigo of Face .	. 102		662	• •	102		
Eczema	. 22		200	• •	22		
Septic toe or finger	20		108		20		
Otorrhoea	. 57		1,396		8		49
Conjunctivitis .	. 38		258	• •	33		5
Blepharitis	. 13		86		12		1
Various	. 38	• •	374	• •	34	• •	4
Totals	. 388	• •	5,149	••	306		82

During 1915, 350 children made 3,470 attendances.

Blind or Partially Blind Children:—There are now 12 partially blind children who attend an ordinary school, though they are suffering from progressive myopia, and their sight will become much worse, and may fail altogether unless they are educated suitably. There are others who have been excluded for more or less lengthy periods. Nine blindchildren are at Wavertree School for the Blind, Liverpool; 1 at Brurswick Road School for the Blind, Liverpool, and another at the School for the Blind. Fulwood, Preston.

Deuf and Dumb Children:—3 children are at Oxford Street Deaf and Dumb School, Liverpool, 1 is at St. John's Deaf and Dumb School. Boston Spa, and 2 at the Roman Catholic Deaf and Dumb School, Liverpool.

Physically Defective:—Four cases of non-pulmonary tuberculosis have been sent by the Local Saritary Authority to the Leasowe Sanatorium, where there is a certified special school. Two are cases of tuberculous hip, one of tuberculous spine, and one of lupus.

Open Air Education:—Playground classes are held during the summer months in most of the schools, to the great advantage of the children concerned. It is desirable that even more attention should be paid to this matter. Future arrangements might with advantage be discussed with the Head Teachers.

Feeding of School Children:—A report by the Sccretaries of the School Canteen Committee on the work performed during the winter session 1915-1916, has been sent to the Board of Education and circulated amongst the Committee.

There has fortunately, during the present winter, been a considerable diminution in the number of children who receive their meals at school. This is accounted for by the increased income, owing to abundance of work, of most of the families, whose children were previously on the lists.

Porridge, on two mornings each week is now provided at every school, otherwise there is no marked change in the dietary. There has also been some improvement in the conditions under which the meals are served.

Day Nursery:—A very large number of married women are now engaged in munition and other work, and it has been found that their young children are, as a rule, neglected, and do not receive that care and attention which is necessary, if they are to enter school without requiring at once medical attention. A substantial demand exists for a Day Nursery, not only for the infants of mothers who now work, but for those of mothers who would be willing to do national work if they could be sure that their children would receive proper attention while they were away.

As substantial grants will be made towards the establishment and maintenance of a Day Nursery for the infants of munition workers, it is hoped that such an establishment will shortly be opened, though it is not to be forgotten that there are many who would make use of a Day Nursery who do not make munitions of war.

The great difficulty is to find a suitable house in the neighbourhood where the nursery is required.

SUMMARY OF RECOMMENDATIONS.

The undermentioned needs are given in order of urgene, :-

- 1. Establishment of a Day Nursery. (Page 29).
- 2. The appointment of someone to assist the doctor at the Routine Inspections. (Page 25).
- 3. Further provision of open-air teaching, e.g., by an extension of the arrangements by which classes are taken for oral work during the summer months, in the playgrounds. (Page 29).
- 4. Provision for dental treatment for a larger number of children. (Page 18).
 - 5. Provision for the X-Ray treatment of ringworm. (Page 14).
- 6. Arrangements for the special instruction of partially sighted children. (Pages 17 and 28).

